



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/880,530	06/13/2001	Paul Proctor	APP 1292-US	5020
9941	7590	12/16/2004	EXAMINER	
TELCORDIA TECHNOLOGIES, INC.			NG, CHRISTINE Y	
ONE TELCORDIA DRIVE 5G116			ART UNIT	
PISCATAWAY, NJ 08854-4157			PAPER NUMBER	
			2663	

DATE MAILED: 12/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/880,530

Applicant(s)

PROCTOR ET AL.

Examiner

Christine Ng

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 6-9, 11, 12 and 15-20 is/are allowed.
- 6) ☒ Claim(s) 1, 10 and 13 is/are rejected.
- 7) ☒ Claim(s) 2-5 and 14 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,804,221 to Magret et al.

Referring to claim 1, Magret et al disclose in Figure 5 a system for dynamically assigning IP addresses to mobile stations (MS 200) in wireless networks including a plurality of base stations (BS 210), comprising:

A wired IP network connecting the base stations (BS 210). Refer to Column 9, 23-25.

An address server (main access router MAR 230) connected to the wired network. Refer to Column 10, lines 11-17.

A proxy server (base station router BSR 220) at each base station (BS 210) in the wired IP network, said proxy server (BSR 220) intercepting client-to-server requests (mobile IP registration requests) for an IP address and modifying (Figure 6, Steps 100,110,112) the request (mobile IP registration request) so that it goes only to the address server (MAR 230), and not to the other base stations (BS 210), and

intercepting (Figure 6, Steps 127,130,132) server-to-client IP address messages (reply to mobile IP registration requests) from the address server (MAR 230) and making sure that they are unicast only to the mobile stations (MS 200) requesting IP addresses.

BSR 220 receives a mobile IP registration request from MS 200 and adds a BSR extension to the request to forward it to the MAR 230. MAR 230 then assigns a IP address to the MS 200 and sends it back to MS 200. Refer to Column 9, lines 40-58; Column 10, lines 11-17; Column 11, lines 57-65 and Column 12, lines 28-39.

3. Claims 10 and 13 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,763,012 to Lord et al.

Referring to claim 10, Lord et al disclose in Figure 4 a method of dynamically assigning IP addresses to mobile stations (TEs 14) in wireless networks including a plurality of base stations, comprising the steps of:

Receiving (Figure 5, Steps 51-54) at a base station proxy server (MT 12) an address designation message (request for IP address). "When the MT receives an NCP message from one of the TEs on the LAN at 54, the MT launches a PDP Context for that TE. Thus, for each TE device in the LAN 15 that requires an IP address, the MT...requests a separate PDP Context procedure from the PDN". Refer to Column 5, lines 35-50.

Determining (Figure 5, Step 55) from a Distribution Table (PPP stack 26) which mobile stations (TE 14) within the range of the base station have requested address information. PDP contexts, compiled in PPP stack 26, are established for each TE requesting an IP address. Refer to Column 5, lines 50-52.

Transmitting (Figure 5, Step 56) the address designation message (request for IP address) only to those mobile stations (TE 14) identified. Refer to Column 5, lines 52-53.

Referring to claim 13, Lord et al disclose in Figures 4 and 5 a system for dynamically assigning IP addresses to mobile stations (TEs 14) in a wireless network including a plurality of base stations defining cells into which the mobile stations (TEs 14) migrate, each said base station comprising:

A proxy server (MT 12) intercepting mobile-to-base station requests for an IP address (request for IP address) and first (radio stack protocol 21) and second (PPP stack 26) routing engines for unicasting address messages only to mobile stations (TE 14s) requesting an IP address. Refer to the rejection of claim 10 and Column 5, lines 23-53.

Allowable Subject Matter

4. Claims 6-9, 11-12 and 15-20 are allowed.
5. Claims 2-5 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


Conclusion

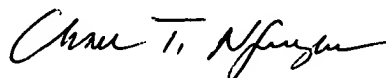
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christine Ng whose telephone number is (571) 272-3124. The examiner can normally be reached on M-F; 8:00 am - 5:00 pm.

Art Unit: 2663

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

C. Ng 
December 6, 2004



CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600